



PAGER

Version 6

10,000

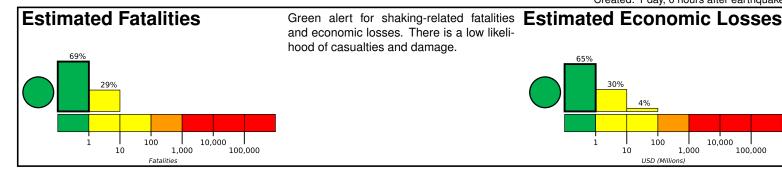
1,000

100,000

M 5.1, 84 km SSW of Opunake, New Zealand Origin Time: 2023-08-10 23:53:19 UTC (Fri 11:53:19 local) Location: 40.1882° S 173.5724° E Depth: 183.8 km

Created: 1 day, 0 hours after earthquake

30%



Estimated Population Exposed to Earthquake Shaking

	<i>,</i>	<u> </u>	<u> </u>		9	 	·- - 9			
	POPULATION (k=x1000)	_*	997k	1k	0	0	0	0	0	0
ESTIMATEI MERCALLI	MODIFIED INTENSITY	I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan 5000 172.4°E 173.8°E New Plymouth Eltham Hawera 39.8°S Wanganui Bulls Foxton Levin 40.9°S ellington Blenheim 100

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

Structures

Overall, the population in this region resides in structures that are highly resistant to earthquake shaking, though some vulnerable structures exist. The predominant vulnerable building types are reinforced masonry and unreinforced brick with timber floor construction.

Historical Earthquakes

		-		
Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2004-07-18	345	5.4	V(1k)	1
1987-03-02	370	6.5	VIII(16k)	0
1968-05-23	211	7.2	IX(1k)	3

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Wellington	382k
Ш	Foxton	5k
Ш	Kelburn	4k
Ш	Nelson	59k
Ш	Hawera	11k
Ш	Patea	1k
Ш	Blenheim	27k
Ш	Richmond	14k
Ш	Lower Hutt	101k
Ш	Palmerston North	76k
Ш	New Plymouth	49k

bold cities appear on map.

(k = x1000)

Event ID: us6000kz5m https://earthquake.usgs.gov/earthquakes/eventpage/us6000kz5m#pager